



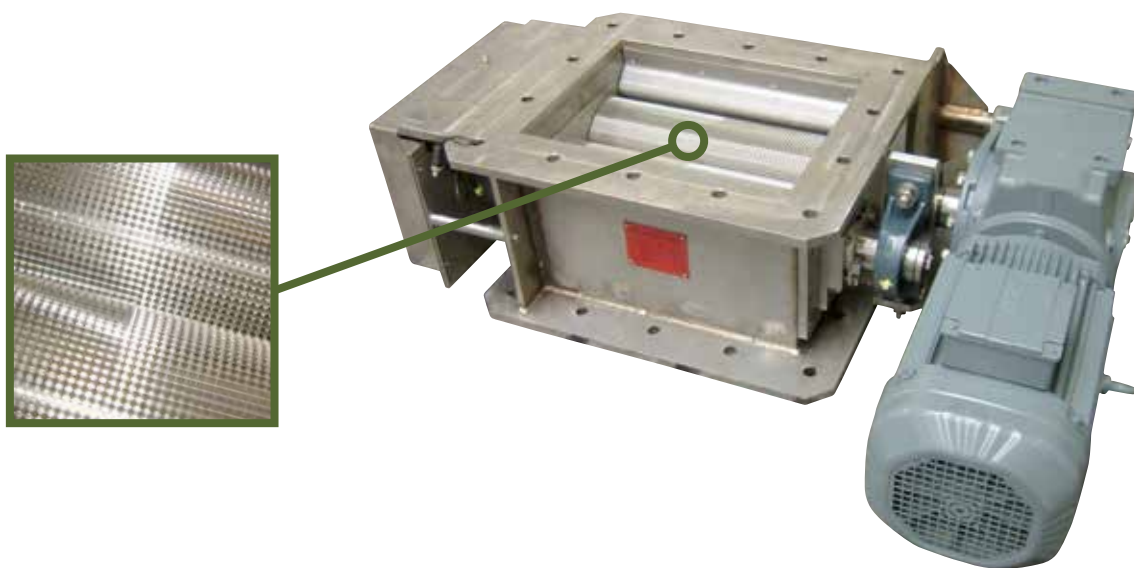
# MECAROANNE

— Solutions de broyage —

## Diamond-tipped roller mill TYPE TB-PD

### FIELDS OF APPLICATION

- › **Any reduction in the volume of a dry, crumbly, non-clogging product**, such as iron sulphate, aluminium oxide, dried water treatment plant sludge pellets, sugar lumps, salt pellets, chlorine pellets, maize pellets, pressed dried fruit pellets, grape pips, etc.
- › **Various business sectors:** cement, animal feed, seeds and cereals, minerals and mineral-based products, oil mills, sugar and salt, etc.



### HOW IT WORKS

- › Two rotors rotate in opposite directions at different speeds, equipped with double teathed rollers (known as "diamond-tipped"), which are cleaned continuously by scrapers, are used to crush the product.
- › Product must be fed at a constant rate and distributed throughout the entire working length of the grinding rollers.



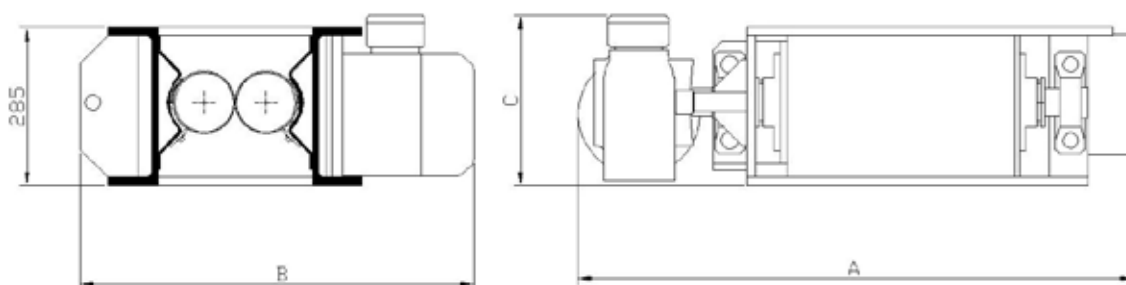
[www.mecaroanne.com](http://www.mecaroanne.com)



### TECHNICAL CHARACTERISTICS

| Type          | Ø rotors<br>mm | Input/Output dimensions<br>mm | A<br>mm | B<br>mm | C<br>mm | Weight<br>kg | Output grain size *<br>mm | Installed power<br>kW | Flow rate *<br>T/heure |
|---------------|----------------|-------------------------------|---------|---------|---------|--------------|---------------------------|-----------------------|------------------------|
| R110x400TB-PD | 110            | 400x280                       | 1010    | 720     | 310     | 270          | 0 à 4                     | 4                     | 0.5 à 1                |
| R130x400TB-PD | 130            | 400x300                       | 1050    | 880     | 330     | 350          | 0 à 4                     | 5,5                   | 1 à 1.5                |
| R130x600TB-PD | 130            | 600x300                       | 1250    | 880     | 330     | 450          | 0 à 4                     | 5,5                   | 2 à 4                  |
| R130x800TB-PD | 130            | 800x300                       | 1450    | 880     | 330     | 500          | 0 à 4                     | 7,5                   | 3 à 5                  |

\* average values for a density 1 product and for a gap of 1.5 mm, varying according to the type of processed materials and the adjustment of the gap between grinding rollers.



### DESIGN

Our devices are composed of a **rigid frame** made of thick welded sheet metal, stainless steel is available as an option. The 2 rotors are mounted on bearings outside the grinding chamber, and the passages are sealed by **cable glands**. Power is transmitted between the 2 rotors by self-lubricating pinions. **The air gap between cylinders can be adjusted** at standstill by fitting shims under the bearing base and replacing a transmission pinion. As an option, an electro-mechanical **torque limiter** can be integrated to prevent the passage of an body that cannot be shredded in the product flow.

